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determine memory used or unused or both

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Flash memory device employing unused cell arrays to update files

RW DeMarco, PAA Dempsey... - US Patent 5,566,314, 1996 - Google Patents

... In addition, in the event of a power outage, the microprocessor will be able to **determine** which **memory** is current based on the higher sequence number. ... **Memory** 10 can then be erased for subsequent reuse. **Memory** 20 can then be **used** in place of **memory** 10 until ...

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Method and apparatus for allocating shared memory resources among a plurality of queues each having a threshold value therefor

N Yin - US Patent 6,219,728, 2001 - Google Patents

... Another feature of the invention performs a comparison of the threshold value with the queue **usage** to **determine** whether to accept or discard incoming data cells destined for the queue. ... Referring to FIG. 6A, **usage** of shared **memory** 102 has increased in comparison to ...

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The SDSS imaging pipelines

R Lupton, JE Gunn, Z Ivezić, GR Knapp... - Arxiv preprint astro-ph/ ..., 2001 - arxiv.org

... Figure 1 shows that the total **memory used** in the steady state by the frames pipeline (see below) is well ... This consists of a set of staring-mode observations of fields of standard stars, **used** to define the ... there are typically 15-25 stars in a frame that we can use to **determine** the PSF ...

Cited by 149 - Related articles - BL Direct - All 13 versions

[PDF] from arxiv.org

[PS] A memory allocator

D Lea... - 2000 - mit.edu

... mmap, the call itself can be expensive, so is only attempted if trailing **unused memory** exceeds a ... Additionally, effectiveness less obviously depends on the policy **used** in deciding when to cache versus ... For example, it is just as costly for an allocator to **determine** how much total ...

Cited by 156 - Related articles - View as HTML - All 3 versions

[PS] from mit.edu

Evaluating the effects of SEUs affecting the configuration memory of an SRAM-based FPGA

M Bellato, P Bernardi, D Bortolato... - Proceedings of the ..., 2004 - portal.acm.org

... In other words, these bits **determine** how ... Conflict: a new PIP called Net\_X links an input and an output node, **both used**, as shown in Fig. ... the output node; None: the PIP configuration is not affected by the fault that modified an **unused** portion of the device configuration **memory**; ...

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[PDF] from lpp.pt

Distributed processing memory chip with embedded logic having both data memory and broadcast memory

SS Mahant-Shetti, DJ Smith, BI Pawate... - US Patent ..., 1998 - Google Patents

... US005751987A [i] Patent Number: [45] Date of Patent: 5,751,987 May 12, 1998 [54]

DISTRIBUTED PROCESSING **MEMORY** CHIP WITH EMBEDDED LOGIC HAVING **BOTH DATA MEMORY AND BROADCAST MEMORY** [75] Inventors: Shivaling S. Mahant-Shetti, Richardson ...

Cited by 65 - Related articles - All 2 versions

The memory fragmentation problem: solved?

MS Johnstone... - ACM SIGPLAN Notices, 1999 - portal.acm.org

... With this information, and the maximum number of live bytes for the trace, we can **determine** the fragmentation, as described in Section 5 for a particular program using ... The upper line is the amount of mem-ory actually **used** by the allocator to satisfy GCC's **memory** requests. ...

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[PS] from utexas.edu

Efficient implementation of a BDD package

KS Brace, RL Rudell... - ... of the 27th ACM/IEEE design ..., 1991 - portal.acm.org

... The package should also allow a function to be tested for tautology - ie, to **determine** whether the function ... A limit of 2 megabytes (Mb:) was placed on the **memory usage** of the ROBDD package. A hash-based cache was **used** for the computed-table, and a load factor of 4 was ...

Cited by 1099 - Related articles - Library Search - All 34 versions

[HTML] from scientificcommons.org

Flash memory file caching for mobile computers

B Marsh, F Douglas... - System Sciences, 1994. Vol. 1 ..., 2002 - ieeeexplore.ieee.org

... To evaluate the cache in a steady state, we **used** a one-week period to "prime" the ... The simulator also keeps track of the state of the disk and the flash **memory**. ... At appropriate times, it also invokes strategy routines that **determine** when a device should change state: an example ...

Cited by 98 - Related articles - BL Direct - All 4 versions

Page printer memory allocation

JL Beck, JK Brown III, CP Cole... - US Patent ..., 1992 - Google Patents

... 6 is a more detailed flowchart of a routine im-plementing the operation illustrated in FIG. 5; FIG. 7 illustrates diagrammatically **used** and **unused** areas of a user **memory** and page buffer; FIG. 8 is a flowchart of a subroutine **used** in the routine of FIG. 6; FIGS. ...

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